KARAYEV, I.K.

Work of the Andizhan Surgical Society for 1960. Med. zhur. Uzb.
no.5:79-80 My '61.   (MIRA 14:6)
            (ANDIZHAN—SURGICAL SOCIETIES)

KARAYEV, I.K.

Late results of an operation for the ligation of a vena cava in the treatment of decompensated mitral vitium cordis.   Azerb. med. zhur. no.7:23-29 Jl '61.   (MIRA 15:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni akademika S.I. Spasokukotskogo (zav. - akademik A.N.Bakulev) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova i iz kliniki obshchey khirurgii Andizhanskogo meditsinskogo instituta (zav. - prof. I.K.Karayev).
            (HEART DISEASES)   (VENA CAVA)   (LIGATURE (SURGERY))

KARAYEV, I.K., prof.

Ligation of the inferior vena cava as the first step in radical
surgery in decompensated mitral stenosis. Zdrav. Turk. 5 no.4:
20-21 Jl-Ag '61.
(MIRA 14:10)

1. Izkliniki fakul'tetskoy khirurgii imeni akademika S.P.Spasokukot-
skogo (dir. - akademik A.N.Bakulev) 2 Moskovskogo gosudarstvennogo
meditsinskogo instituta imeni N.I.Pirogova i kliniki obshchey khirurgii
Andizhanskogo gosudarstvennogo meditsinskogo instituta (zav. -
prof. I.K.Karayev).
(VENA CAVA)   (MITRAL VALVE--SURGERY)

KARAYEV, I.K., dotsent

Hemodynamic study in surgical intervention on the kidneys under
local anesthesia. Kaz. med. zhur. no.5:64-65 S-O '61. (MIRA 15:3)

1. Klinika obshchey khirurgii Andizhanskogo meditsinskogo
instituta (zav. - dotsent I.K. Karayev).
(KIDNEYS—SURGERY)
(LOCAL ANESTHESIA)
(BLOOD—CIRCULATION)

KARAYEV, I.K.; KARIYEV, T.M.; IBADOV, I.Yu.

Combined subcutaneous injuries of the pancreas and organs of the abdominal cavity. Khirurgiia no.3:36-40 '62.

(MIRA 15:3)

1. Iz kliniki obshchey khirurgii (zav. - prof. I.K. Karayev) Andizhanskogo meditsinskogo instituta.
(PANCREAS--WOUNDS AND INJURIES) (ABDOMEN--WOUNDS AND INJURIES)

KARAYEV, I. K., prof.; IBADOV, I. Yu.

Some etiological and pathogenic problems of urolithiasis in children. Med. zhur. Uzb. no.6:33-35 Je '62.

(MIRA 15:7)

1. Iz kliniki obshchey khirurgii Andizhanskogo gosudarstvennogo meditsinskogo instituta.

(ANDIZHAN PROVINCE—CALCULI, URINARY)

KARAYEV, I.K.; IBADOV, I.Yu.

Endemic urolithiasis in children of Andizhan Province. Sov.
med. 26 no.11:120-124 N'62   (MIRA 17:3)

1. Iz kliniki obshchey khirurgii (zav. - prof. I.K.Karayev)
Andizhanskogo meditsinskogo instituta.

KARAYEV, I.K.; IBADOV, I.Yu.

Data from the examination of the spectral emission of calculi re-
moved from the urinary tract of children. Azerbaidzh. med. zh.
6:18-26 Je'63   (MIRA 17:1)

1. Iz kafedry obshchey khirurgii Andizhanskogo gosudarstven-
nogo meditsinskogo instituta.

KARAYEV, I.K., prof. (Andizhan, Uzbekskoy SSR, ul. Voroshilova, d. 236,kv.6)

Some problems in the clinical aspects, diagnosis and treatment
of echinococcosis. Vest. khir. 70 no.6:33-36 Je'63
(MIRA 16:12)

1. Iz kliniki obshchey khirurgii (zav. - prof. I.K.Karayev)
Andizhanskogo meditsinskogo instituta.

KARAYEV, I.K., prof.; SAIDKHANOV, A.S.

Renal plasma circulation in patients with thyroid pathology be-
fore, immediately after and during late periods following the
operation. Probl. endok. i gorm. 11 no.2:11-14 Mr-Ap '65.
(MIRA 18:7)

1. Klinika obshchey khirurgii (zav. - prof. I.K.Karayev)
Andizhanskogo meditsinskogo instituta.

SHCHEGOLEV, G. N.

Electrical charges in the kidneys during renal trauma. Sov.
med. 28 no.11:126-9; C '65.   (MIRA 18.11)

1. Kafedra obshchey khirurgii (zav.- prof. A. N. Bakulev,
statsionarnogo meditsinskogo instituta.

1. KARAYEV I.S.

2. USSR (600)

4. Thrombosis

7. Case of thrombosis of the portal veins in a 10-year-old child, Pediatriya, no.6, 1952.

9. Monthly List of Russian Accessions. Library of Congress, April 1953, unclass.

KARAYEV, I.S.

USSR / Pharmacology, Toxicology, Analeptics   U-3

Abs Jour   : Referat Zh.-Biol., No 1, 1958, No 3370

Author   : Vasil'ev, K.G., Karayev, I.S., Lazarev, N.V., Lyublina,
              Ye.I., Ovcharov, V.G.

Inst   : Not given

Title   : On the Possibility of Raising the Body's Resistance to
              Noxious Environmental Factors.

Orig Pub   : Gigiyena truda i prof. zabolevaniya, 1957, No 2, 19-24.

Abstract   : The problem of artificial alteration of the body's
              reactivity occupies one of the leading places in pathology
              and clinical practice at present. In experiments on mice,
              dibasol and an extract of ginseng (prepared in a ratio of
              1:1) increased the altitude ceiling of animals (i.e. the altitude
              which had been previously fatal.) An ascent to an altitude .

Card   : 1/3

USSR / Pharmacology, Toxicology, Analeptics   U-3

Abs Jour   : Referat Zh.-Biol., No 1, 1958, No 3370

Abstract   : of 6,000 m caused a complete, or almost complete, tem-
              porary inhibition of conditioned reflexes in rabbits with
              conditioned reflexes already present. This interference
              with conditioned reflex activity did not occur after the
              preliminary administration of dibasol in a dose of 10 mg/kg.
              Under the influence of a high barometric pressure the ability
              of the CNS to summate subthreshold stimuli was significantly
              decreased in mice and rabbits. Administration of dibasol
              almost completely restored this ability. An extract of ginseng
              had a similar effect in experiments on mice. Dibasol increased
              the body's resistance to quite energetic and sudden inter-
              ferences (during centrifugation of mice or abrupt changes
              in the position of rabbits in space). Protection effects of
              dibasol were revealed in poisoning with $MnCl_2$, NaCN,
              tetraethyl lead, tricresol phosphate and benzene. The authors
              concluded that dibasol and an extract of ginseng may be
              valuable under working conditions, since they increase the

Card   : 2/3

Abstract   : body's resistance, not only without lowering its activity,
              but by actually increasing it. Dibasol should be used in
              doses which do not effect the blood pressure (5-10 mg per
              administration).

KARAYEV, I. S., Candidate Med Sci (diss)-- "The pathomorphology of the receptor and interneuronal synaptic structures in dysentery of young children". Baku, 1959. 14 pp (Azerb State Med Inst im N. Narimanov), 220 copies (KL, No 25, 1959, 140)

KARAYEV, I.S., mladshiy nauchnyy sotrudnik

Pathomorphology of the nerve apparatus of the afferent innervation
of the mesentery and of the portal vein in dysentery in young
children. Azerb.med.zhur. no.8:32-36 Ag '59.   (MIRA 12:11)

1. Iz Azerbaydzhanskogo nauchno-issledovatel'skogo instituta
okhrany materinstva i detstva (direktor instituta - K.Ya.
Faradzheva, nauchnyy rukovoditel' - prof.D.Yu.Guseynov).
(MESENTERY--INNERVATION)
(INTESTINES--INNERVATION)
(DYSENTERY)

ASADOV, G.Z., kand. med. nauk; KARAYEV, I.S.; KANBAY, Kh.G.; ABASOV. A.A.

Primary echinococcosis of the mesentery proper simulating a cystoma of the right ovary. Akush. i gin. 39 no.3:125 My-Je'63
(MIRA 17:2)

1. Iz otdela materinstva (rukovoditel' G.Z. Asadov) Nauchno - issledovatel'skogo instituta okhrany materinstva i mladenchestva (direktor - zasluzhennyy vrach K. Ya. Faradzhayeva) Azerbaydzhan- skoy SSR.

KARAYEV, I.S., kand. med. nauk

Strucutral shifts of the innervation mechanisms of the liver in intestinal infections in very young children. Azerb. med. zhur. 42 no.6:36-42 Je '65.   (MIRA 18:9)

1. Iz Azerbaydzhanskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva imeni N.K.Krupskoy (direktor – zasluzhennyy vrach AzerSSR, kand. med. nauk K.Ya.Faradzheva).

KARAYEV, L.E., Cand Bio Sci—(diss) "Study and introduction of
gum dragon astragalus of the Shekinsk plateau with the view of
producing new sources of tragacanth-gum." Kirovabad, 1958. 18 pp

(Min of Agr USSR. Azerbaydzhan Agr Inst), 100 copies (KL, 30-58, 125)

-49-

AUTHOR: Karayev, L.E.   SOV/26-58-1-25/36

TITLE: Gum-Bearing Plants in Azerbaydzhan (Kamedenosy v Azerbaydzhane)

PERIODICAL: Priroda, 1958, Nr 1, p 114 (USSR)

ABSTRACT: Tragacanth, the mucilaginous substance used to give firmness
                to pills and to stiffen cloth, is derived from various shrubs
                of the genus Astragalus and had to be imported into the USSR.
                Gum-bearing tragacanths, especially Astragalus Andreji Rza-
                zade, are also found in the Nukhinskiy, Geokchayskiy and Is-
                maillinskiy Districts of Azerbaydzhan. Shrubs of this species
                yield about 4.18 and 6.68 grams of gum per shrub. The first
                figure is for shrubs of 30 to 40 years, the latter for over
                50-year old shrubs. It is estimated that the domestic occur-
                rence of these gum-bearing plants will cover the requirements
                of Azerbaydzhan.

ASSOCIATION: Azerbaydzhanskiy sel'skokhozyaystvennyy institut, Kirovabad
                (The Azerbaydzhan Agricultural Institute, Kirovabad)

Card 1/1

KARAYEV, L. E.

Astragals of the Sheki tableland as a new tragacanth source.
Bot.zhur. 44 no.9:1307-1311 S '59.   (MIRA 13:2)

1. Azerbaydzhanskiy sel'skokhozyaystvennyy institut, g.Kirovobad.
        (Azerbaijan—Milk vetches)

KARAYEV, M.A., dotsent

Role of the spleen in changes of the coagulability of the blood circulating through it. Azerb. med. zhur. no.8:22-25 Ag '61.
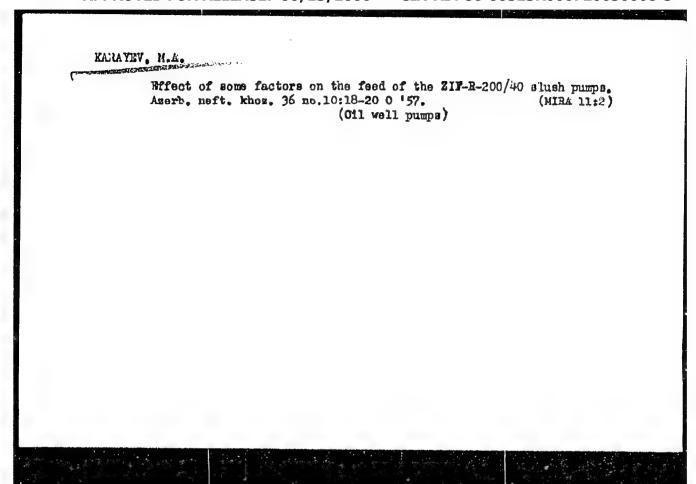(MIRA 15:2)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - chlen-korrespondent AN AzSSR prof. F.A.Efendiyev) pediatricheskogo i sanitarno-gigiyenicheskogo fakul'tetov Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta imeni Narimanova.
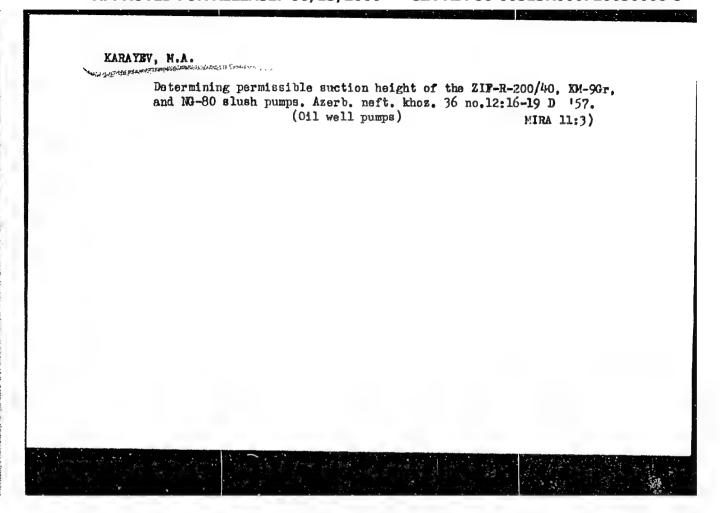(SPLEEN)   (BLOOD—COAGULATION)

RUSTAMOV, A.K.; KARAYEV, M.; SOPYYEV, O.; FREYBERG I.R.

Starling Sturnus ragodarum, a new bird species of the U.S.S.R.
Zool. zhur. 44 no.6:940-941 '65.   (MIRA 18:10)

1. Kafedra zcologii Turkmenskogo sel'skokhozyaystvennogo instituta,
Ashkhabad.

KARAYEV, M.A.

Effect of some factors on the feed of the ZIF-R-200/40 slush pumps.
Azerb. neft. khoz. 36 no.10:18-20 O '57. (MIRA 11:2)
(Oil well pumps)

KARAYBV, N.A.

Determining permissible suction height of the ZIF-R-200/40, KM-9Gr, and NG-80 slush pumps. Azerb. neft. khoz. 36 no.12:16-19 D '57.
(Oil well pumps)   MIRA 11:3)

KARAYEV, M.A.

Slush pumps operating on gassed clay-based drilling fluids.
Izv.vys.ucheb.zav.; neft' i gaz 1 no.12:41-44 '58.
(MIRA 12:4)

1. Azerbaydzhanskiy industrial'nyy institut im. M.Azizbekova.
(Oil well pumps)

ABDURASHITOV, S.A.; KARAYEV, M.A.

> Correct number of supporting rollers in the installation of
> "Burvod 3" sucker rods. Izv. vys. ucheb. zav.; neft' i gaz no.1:
> 157-162 '58.   (MIRA 11:8)
>
> 1.Azerbaydzhanskiy industrial' institut im. M. Azizbekova.
>   (Sucker rods)

KARAYEV, M.A.

Effect of certain factors on the permissible suction height of slush pumps used for exploratory drilling in structural areas. Izv. vys. ucheb. zav.; neft' i gaz no.2:45-52 '58.   (MIRA 11:8)

1. Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova.
(Oil well pumps)

KARAYEV, M.A.

Test stand for slush pumps used in test drilling of structural traps.
Izv. vys. ucheb. zav.; neft' i gaz no.4:121-123 '58.

(MIRA 11:9)

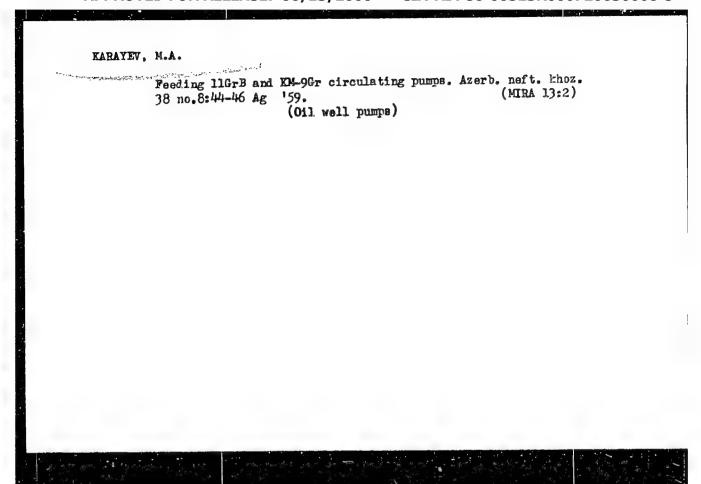1.Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova.
(Oil well pumps)

KARAYEV, M.A.

Studying hydraulic indices of 11 GrB and 11Gr slush pumps.
Azerb. neft. khoz. 37 no.7:21-23 Jl '58.   (MIRA 11:9)
          (Oil well pumps)

KARAYEV, M.A., Cand Tech Sci — (diss) "Study of hydraulic indexes of drilling pumps of the structure-prospecting drilling." Baku, 1958. 16 pp incl cover (Min of Higher Education USSR. Azerbaydzhan Order of Labor Red Banner Industrial Inst im M. Azizbekov), 160 copies (KL,43-58, 116)

KARAYEV, M.A.

Feeding 11GrB and KM-9Gr circulating pumps. Azerb. neft. khoz.
38 no.8:44-46 Ag '59.   (MIRA 13:2)
                        (Oil well pumps)

ABDURASHITOV, S.A., doktor tekhn.nauk, prof.; KARAYEV, M.A., kand.tekhn.
nauk; ALESKEROV, A.M., inzh.

Centrifugal pressure regulator. Izv.vys.ucheb.zav.; energ. 3
no.1:100-105 Ja '60. (MIRA 13:1)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.
Predstavlena kafedroy gidravliki i gidravlicheskikh mashin.
(Pressure regulators)

ABDURASHITOV, S.A., doktor tekhn. nauk prof.; KARAYEV, M.A., kand. tekhn. nauk;
    ALESKEROV, A.M., inzh.

Power used by the central pressure regulator. Izv. vys. ucheb. zav.
energ. 3 no.2:99-102 F '60.   (MIRA 13:2)

1.Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova. Pred-
stavlena kafedroy gidravliki i gidravlicheskikh mashin.
                    (Pressure regulators)

ABDURASHITOV, S.A. (Baku); KARAYEV, M.A. (Baku)

Determining the capacity of water conduits with oval cross section.
Vod. i san. tekh. no.5:9-11 My '61.   (MIRA 14:6)
(Water pipes)

KARAYEV, M.A., dotsent, kand. tekhn.nauk; ABDURASHIDOV, S.A., red.;
SHTEYNGEL', A.S., red. izd-va; NASIROV, N., tekhn. red.

[Drill pumps for test drilling] Burovye nasosy strukturno-
poiskovogo bureniia. Baku, Azerbaidzhasnkoe gos. izd-vo,
1961. 112 p.   (MIRA 15:4)
    (Boring--Equipment and supplies) (Pumping machinery)

ABDURASHITOV, Suleyman Abdulkhairovich; TARTAKOVSKAYA, Mariya
Davidovna; KARAYEV, M.A., red.

[Manual for laboratory work in the general course of
hydraulics] Rukovodstvo dlia laboratornykh rabot po ob-
shchemu kursu gidravliki. Baku, Azeruchpedgiz, 1962. 122 p.
(MIRA 17:4)

KARAYEV, M.A.; ABDURASHITOV, S.A.

Determining the volume of the compressible element in a
compensator-damper of hydraulic hammer. Izv.vys.ucheb.zav.;
neft' i gaz 5 no.2:95-100 '62.   (MIRA 15:7)

1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova.
        (Pipelines—Hydrodynamics)

KARAYEV, M.A.

Supply ratio of a piston pump at high pressures. Za tekh. prog.
3 no.7:33-35 Jl '63. (MIRA 16:12)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova.

KARAYEV, M.

Investigation of hydraulic parameters of the 8S-3 circulating pump. Izv. vys. ucheb. zav.; neft' i gaz 6 no.10:101-7 '63. (MIRA 17:8)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova.

KARAYEV, M.A.

Damping pressure pulsations in the pressure line of drilling piston pumps. Izv. vys. ucheb. zav.; neft' i gaz 7 no.5:89-94 '64.
(MIRA 17:9)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.

GUDNIN, N.N.; ABDURASHITOV, S.A.; KARAYEV, M.A.

Possibility of predicting the conditions for suction of offshore oil
field pumping stations in connection with the drop in the level of the
Caspian Sea. Izv. vys. ucheb. zav.; neft' i gaz 8 no.6:89-90 '65.
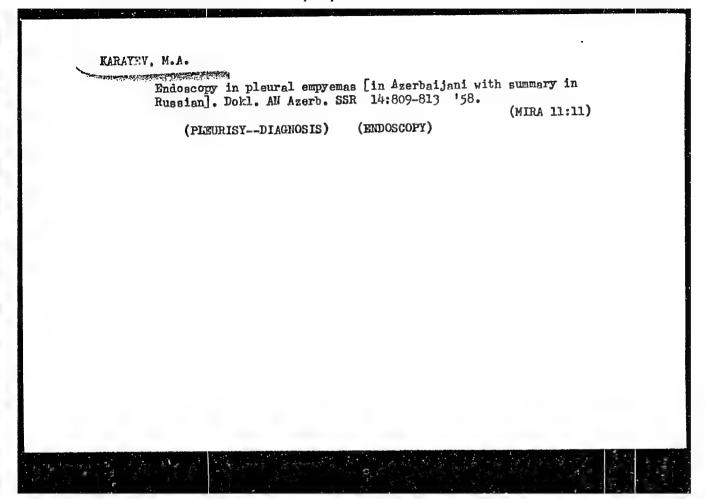(MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

KARAYEV, M.A.; OSIPOV, R.G.; TROSHCHINSKAYA, S.S.

Results of splenoportography in the diagnosis of portal hypertension.
Azerb. med. zhur. 42 no.6:11-16 Je '65.   (MIRA 18:9)

1. Iz kafedry fakul'tetskoy khiururgii (zaveduyushchiy – prof. A.N.
Tairov) pediatricheskogo i sanitarno-gigiyenicheskogo fakul'teta
Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta im.
N.Narimanova i 4-y klinicheskoy gorodskoy bol'nitsy g. Baku im.
Fuada Efendiyeva (glavnyy vrach – A.Ya.Ismaylov).

KARAYEV, M.A.

Endoscopy in pleural empyemas [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 14:809-813 '58.

(MIRA 11:11)

(PLEURISY--DIAGNOSIS)   (ENDOSCOPY)

KARAYEV, M. F.; TORGASHIN, S. F.

Textile industry and fabrics

Setting up the vasic thread after the method of l. M. Tigalomskaia., Tekst. prom., no. 2, 1952.
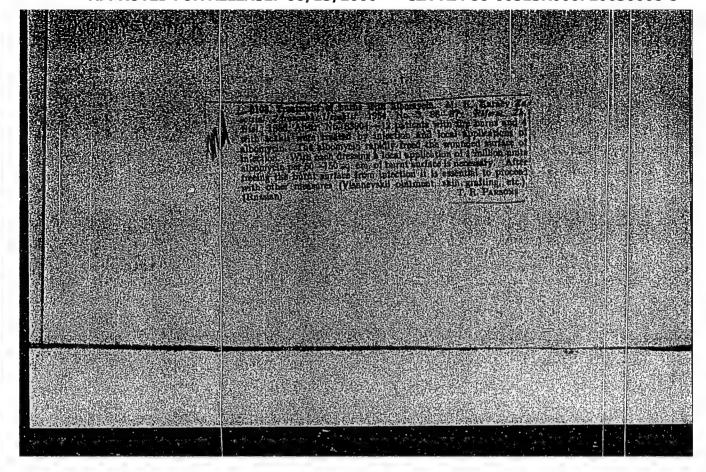
9. Monthly List of Russian Accessions, Library of Congress,   March   1953. Unclassified.

KARAYEV, M . G.

Defended his Candidates dissertation in the <u>Biology - Soil Faculty</u> at Moscow
State University on 3 September 1952.

Dissertation: "Birds of Western Uzboy."

SO: Vestnik Moskovskogo Universiteta, Seriya Fiziko-Matematicheskikh i
      Yestestvennykh Nauk, No. 1, Moscow, Feb 1953, pp 151-157: transl. in
         W-29782, 12 April 54, For off. use only.

Prosisov, V. (PONI), Use albomycin sn
burns. Khirurgiya 1950, No. 5, 68. 3.69.
Bibrisi 3.
After No. 8500 — 15 patients with dry burns and
with initial signs treated by injection and local application of
albomycin. The albomycin rapidly freed the wounded surface of
infection. With each dressing a local application of 1 million units
albomycin per 50—150 sq cm of burnt surface is necessary. After
freeing the burnt surface from infection it is essential to proceed
with other measures (Vishnevskii ointment, skin grafting, etc.)
(Russian)

T. R. Parsons

ANDREYEV, B.A. Prinimali uchastiye: SUBBOTIN, S.I.; KARAYEV, N.A.,
    KHABAKOV, A.V., nauchnyy red.; SERGEYEVA, N.A., red.izd-va;
    GUROVA, O.A., tekhn.red.

    [Geophysical methods in areal structural geology] Geofizi-
    cheskie metody v regional'noi strukturnoi geologii. Moskva, Gos.
    nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1960.
    258 p.   (MIRA 13:11)

    1. Chlen-korrespondent AN USSR (for Subbotin). 2. Vsesoyuznyy
    geologicheskiy nauchno-issledovatel'skiy institut (for Khabakov).
            (Prospecting--Geophysical methods)

KARAYEV, N.A.

Determining mean velocities from data of the correlation refraction method for some regions of Western Siberia. Prikl. geofiz. no.27:57-63 '60.   (MIRA 13:12)

(Siberia, Western-Seismic prospecting)

KARAZHANOV, N.A.

Kinetics of dissolution of borates and other natural salts.
Zhur. prikl. khim. 36 no.12:2642-2649 D'63.   (MIRA 17:2)

VOSKOBOYNIK, N.I.; KARAYEV, N.A.; LOZOVSKAYA, T.A.

Some improvement of the reproducing apparatus of seismic station
SSM-57. Vop. razved. geofiz. no.3:30-34 '64.

(MIRA 18:2)

L 63773-65   EWT(l)/EWA(h)   G9

ACCESSION NR: AR5018082   UR/0169/65/000/007/D024/D025
550.834

19
B

SOURCE: Ref. zh. Geofizika, Abs. 7D164

AUTHOR: Karayev, N. A.; Eydel'man, E. S.

TITLE: Modernization of a seismographic station with an SSM-57(PSLM-1) intermediate magnetic recording unit

CITED SOURCE: Sb. Vopr. razved. geofiz., vyp. 4, L., Nedra, 1964, 57-64

TOPIC TAGS: seismographic recording station, recorder modification

TRANSLATION: The number of recording channels was increased in the modernized station to 48. The layout employs two serial pickup arms placed opposite each other in such a manner that the heads are staggered. The PED-56 recording stylus in the facsimile block was replaced by a stream vibrator. An RNP nine-channel attachment model was added, as well as regulation of sensitivity by channel and change in channel polarity during reproduction. The time constant of the ERU unit was magnified and a capacity was added for its regulation by 0.4 sec. intervals over the range of 0.4 to 1.6 sec. The dynamic

Card 1/2

L 63773-65
ACCESSION NR: AR5018982

regulation range of the ERU unit's field of action was increased to 20 decibels.
FVCh filters were added to the recording function. A tuning fork generator, assembled
with semiconductor triodes, was added to improve the reliability and performance stability
of the synchronization system. The regulation and measurement system, as well as the
blast point recording system, were modified. A transformer assembled with P-209
transistors was employed for the circuit feeding the anode circuits of the station. N.
Voskoboynik.

SUB CODE: ES, EC   ENCL: 00

Card 2/2

L 15349-66   EWT(1)/EWA(h)   GW
ACC NR: AR6000819   SOURCE CODE: UR/0169/65/000/009/D020/D020

SOURCE: Ref. zh. Geofizika, Abs. 9D143

AUTHOR: Karayev, N. A.; Lukashin, Yu. P.

ORG: none

TITLE: Investigation of interference waves in using the reflected wave method in central Kazakhstan

CITED SOURCE: Sb. Vopr. razved. geofiz. Vyp. 4. L., Nedra, 1964, 70-77

TOPIC TAGS: seismic wave, seismic prospecting

TRANSLATION: Special studies showed that the complex erratic recordings made earlier during seismic prospecting in several mining regions of central Kazakhstan are actually due to the superposition of several types of regular interference waves, and not to unfavorable excitation conditions or the effect of explosive tectonics as was previously assumed. The study was done with magnetic probes and radio navigation equipment using various charges placed at different depths. Analysis of the

Card 1/2

UDC: 550.834.5

L 15349-66
ACC NR: AR6000819   O

data showed three basic separate groups of interference waves generated by explo-
sions in crustal deposits and bedrock: surface waves, multiple reflection-refrac-
tion waves and diffracted waves. Normal velocity dispersion and a considerable at-
tenuation is characteristic of the surface waves. The attenuation is apparently
caused by high absorption in the upper nonhomogeneous part of the section. The
intensity of the surface waves falls sharply with a reduction from 20 to 4 m in the
thickness of the layer covering the bedrock, and also when the explosions take place
in the bedrock itself. Multiple reflection-refraction waves are propagated in a
layer bounded by the day time surface and the base of the ZMS or the ceiling of the
bedrock. These waves are multiphasal oscillations which exceed in intensity both
the effectual reflected waves and interference of other types. The apparent velo-
cities of multiply reflected waves reach 3500-4000 m/sec. The level of these dis-
turbances cannot be considerably reduced by a change in the size and depth of the
charges nor by the use of sharply directed interference systems. Diffracted waves
appear when radio navigation magnetograms are reproduced. It is found that exci-
tation conditions are equally favorable for the formation of useful reflections
and diffracted waves. This introduces additional difficulties in the suppression
of diffracted waves.

SUB CODE: 08

Card 2/2 BC

KARAYEVA, N.I.

New and rare diatoms from the Caspian Sea. Bot. mat. Otd. spor.
rast. 16:45-49 '63.   (MIRA 16:10)

KARAYEV, N.K.; SMETANKINA, O.P.

On Turkmeni collective farms. Zashch. rast. ot vred. i bol.
2 no.6:29-30 N-D '57.   (MIRA 16:1)

1. Nachal'nik Gosudarstvennoy inspektsii po karantinu rasteniy po
Turkmenskoy SSR (for Karayev). 2. Starshiy agronom-inspektor po
vneshnemu karantinu Gosudarstvennoy inspektsii po karantinu
rasteniy po Turkmenskoy SSR (for Smetankina).
                (Turkmenistan--Cotton--Diseases and pests)

KARAYEV, P.I., dotsent, kand.tekhn.nauk

Generalized coordinates of currents and voltages on long lines of
electric systems. Trudy MEI no.27:38-59 '58.   (MIRA 13:4)
(Electric lines)

KARAYEV, R.

Application of integral methods to the theory of transfer in gases. Dokl. AN Azerb. SSR 16 no. 6:535-540 '60.
(MIRA 13:10)

1. Azerbaydzhanskiy pedogogicheskiy institut im. V.I.Lenina. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.F. Nagiyevym.
(Gases)

31309
S/124/61/000/010/046/056
D251/D301

*l. b*00*

AUTHOR: Karayev, R.

TITLE: On applying integral methods to the theory of trans-
               ference in gases

PERIODICAL: Referativnyy zhurnal. Mekhanika, no. 10, 1961, 113-
               114, abstract 10 B766 (Dokl. AN AzerbSSR, 1960, 16,
               no. 6, 535-540)

TEXT: The difficulties connected with the basic problems
of Bolzmann's equation (see S.V. Vallander, Dokl. AN SSSR, 1960, 131,
no. 1, 58-60 - RZhMekh., 1961, 5B119) gives rise in the works of a
number of authors (M. Lunc. Arch. mech. stosowanej, 1957, 9, no. 6,
731-737 - RZhMekh., 1960, no. 11, 14944, V.C. Liu, Fluid Mech.,
1959, 5, no. 3, 481-490 - RZhMekh., 1960, no. 2, 1782) to a tendency
to shun the use of this equation in kinetic problems operating imme-
diately with molecular motion. The author of this work also proceeds
on this path. He considers a gas moving in the neighborhood of a

Card 1/2

Card 2/2

ACC NR: AP6027262   SOURCE CODE: UR/0423/66/000/005/0003/0005

AUTHOR: Karayov, R. A.

ORG: Scientific Research and Design Institute "Neftekhimavtomat" (Nauchno-issledovatel'skiy i proyektnyy institut "Neftekhimavtomat")

TITLE: A code-pulse program device for sequential operation

SOURCE: Za tekhnicheskiy progress, no. 5, 1966, 3-5

TOPIC TAGS: flow control, remote control, control theory, operator equation, sequence, petroleum industry equipment

ABSTRACT: A code-pulse program device for sequential operation has been developed for use in the petroleum industry. The sequential operation reduces the equipment requirements and cost by reduced operating speeds. A uniform binary code is used for the control signals. The system is built up of standard commercial units and includes a binary counter, decoder, decision unit, and a gating pulse generator. The code pulses are sequentially shaped in the counter and, after sorting, pass through the decoder along individual tie lines to the decision units. A binary counter with additional groups, when used in conjunction with a special decoder, permits the signal to include excess information so as to increase the reliability. The counter and decoder can be a standard generator that is also used for the gating pulse

Card 1/2   UDC: 681.142.2:62--529:621.398.623

ACC NR: AP6027262

generator. The decision unit comprises a multiterminal network. The system is anal-ized algebraically using "and" and "or" logic operators. This logic analysis simpli-fies the circuit design and optimizes the unit interconnections. An analysis of a system for scanning pump failures in petroleum lines and for operating distribution arrangements in the petroleum industry is presented. Such a system, using noncontact logic elements, manufactured by the plant "Rele i avtomatika" was found reliable in operation. Orig. art. has: 4 figures and 3 formulas.

SUB CODE: 05, 13/ SUBM DATE: none

Card 2/2

KARAYEV, Roman Grigor'yevich; LARICHEV, Leonid Semenovich; PISAREV,
   B.P., red.; GITSHTEYN, A.D., tekhred.

[Health resorts of the Ukraine; an aid to selection of patients
for health resorts] Kurorty Ukrainy; posobie po otboru bol'nykh
na kurorty. Kiev, Gos.med.izd-vo USSR, 1959. 189 p.
                                              (MIRA 12:9)
       (UKRAINE--HEALTH RESORTS, WATERING PLACES, ETC.)

KARAYEV, Roman Grigor'yevich; LARICHEV, Leonid Semenovich; CHISTYAKOV, V.A., red.

[Health resorts of the Ukraine; manual for medical selection of sanatorium and health resort treatment] Kurorty Ukrainy; posobie po meditsinskomu otboru na sanatorno-kurortnoe lechenie. Kiev, Zdorov'e, 1964. 222 p.
(MIRA 17:8)

KARAYEV, R.G.

Fourth Ukrainian conference on problems of fangotherapy and the
the resources of medical earths. Vop. kur. fizioter. i lech.
fiz. kul't. 28 no.3:276-281 My-Je '63.   (MIRA 17:5)

KURKUDYM, F.Ye., dots., otv. red.; KARAYEV, R.G., st.nauchn.
sotr., red.; TOROKHTIN, M.D., red.; TURKEL'TAUB, M.S.,
doktor med. nauk, red.; SHPIL'BERG, G.I., st. nauchn.
sotr., kand. med. nauk, red.;MAKSIMENKO, L.M., red.

[Problems in the development of mineral water health
resorts] Voprosy razvitiia kurortov s mineral'nymi vodami.
Uzhgorod, Zakarpatskoe onl. knizhno-gazetnoe izd-vo, 1962.
199 p.
                                        (MIRA 18:1)

1. Direktor Ukrainskogo nauchno-issledovatel'skogo insti-
tuta kurortologii i fizioterapii (for Kurkudym). 2. Nachal'-
nik Zakarpatskogo kurortnogo upravleniya profsoyuzov (for
Torokhtin).

KURKUDYM, F.Ye., dcts., otv. red.; BELEN'KIY, M.S., red.; KARAYEV,
R.G., red.; KENTS, V.V., red.; SOKOLOV, A.V., red.

[Therapeutic mineral waters and muds of the U.S.S.R.] Le-
chebnye mineral'nye vody i griazi USSR. Kiev, Zdorov'ia,
1965. 219 p.
                                        (MIRA 18:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut kurorto-
logii i fizioterapii.

KARAYEV, Ruben I. Prof.

Cand. Tech. Sci.

"Theory of the High-Power Open Electric Arc," Elektrichestvo, No.10,1949

Moscow Power Engineering Inst. im Molotov.
Moscow Electrotechnical Inst.

KARAYEV, R. I.

231T25

USSR/Electricity - Arc Furnaces   Oct 52

"Method for Calculating Symmetrical Operating Conditions in the Operation of Electric Arc Furnaces," R. I. Karayev, Moscow Power Eng Inst imeni Molotov

"Elektrichestvo" No 10, pp 38-45

Gives a method for calcg the circuit of an elec arc furnace with consideration for nonlinearity. Derives formulas for calg currents and powers of single-phase and 3-phase furnaces operating under various conditions. Submitted 3 Dec 51.

231T25

KARAYEV, R.I.

6607   KARAYEV, R. I.

KARAYEV,. R. I. PEREKHODNYYE PROTSESSY V TSEPYAKH S
RASPREDELENNYMI PARAMETRAMI. (RAZDEL KURSE TOE). (UCHEB.
POSOBIYE DLIA STUDENTOV MEI). M., 1954 55s. SCHERT. 20 SM.(M-VO VIS
SH OBRAZOVANIYA SSSR. MOSK ORDENA LENINA ENERGET. IN-T IM.
V. M. MOLOTOVA). 350 EKZ. BESPL.--(55-1704)
                    621.3.011

    SO: KNIZHNAYA LETOPIS' NO. 6, 1955

KARAYEV, R.I., dotsent, kandidat tekhnicheskikh nauk

Method for the presentation of the section "Transient phenomena in circuits with distributed parameters" in the course Theoretical Principles of Electrical Engineering. Trudy MEI no.14:38-52 '53.
    (Electric circuits)   (MLRA 8:7)

KARAYEV, R. I.

AID P - 938

Subject   : USSR/Electricity

Card 1/1   Pub. 27 - 7/25

Author   : Karayev, R. I., Kand. of Tech. Sci., Dotsent, Moscow

Title   : Transient phenomena in long three-phase transmission lines

Periodical : Elektrichestvo, 10, 33-38, O 1954

Abstract   : Transient conditions of unbalanced line are resolved with
                the method of symmetrical components and phase sequence
                characteristics. A numerical example is given. Six
                diagrams, 11 references (1 U.S.A.) (1941-1954).

Institution : Moscow Power Institute im. Molotov
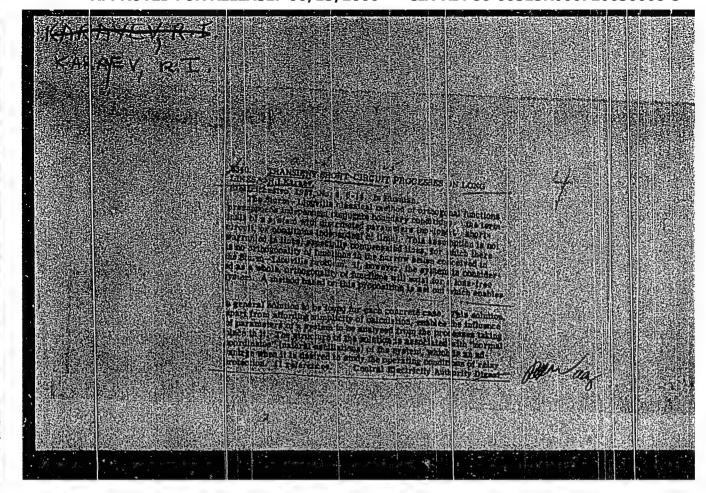
Submitted   : Ap 13, 1954

KARAYEV, R.I., kandidat tekhnicheskikh nauk, dotsent.

Finite difference equations of long lines. Trudy MEI no.18:5-16 '56.   (MLRA 10:1)

1. Kafedra teoreticheskikh osnov elektrotekhniki.
          (Electric lines) (Difference equations)

KALAEV, R.I.

TRANSIENT SHORT-CIRCUIT PROCESSES IN LONG LINES

Central Electricity Authority Digest

KARAYEV, R. I. Doc Tech Sci -- (diss) "Transient Processes in Long Lines." Mos, 1957. 28 pp 20 cm. (Min of Higher Education USSR, Mos Order of Lenin Power Engineering Inst im V. M. Molotov), 100 copies (KL, 25-57, 111)

- 41 -

9(3)   SOV/143-58-11-4/16
AUTHOR: Karayev, R.I,, Candidate of Technical Sciences, Docent

TITLE: Wave Processes in Multi-Conductor Circuits of Long-
             Distance Power Lines

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika,
             1958, Nr 11, pp 31-38 (USSR)

ABSTRACT: The theory of wave processes in multi-conductor cir-
             cuits of long-distance power lines is a basic principle
             for solving problems connected with atmospheric over-
             voltages. Sometimes, calculations of wave processes
             are performed by methods where long lines are consider-
             ed without regarding losses. The theory of wave pro-
             pagation in these systems in not adequately explained.
             The author considers the differential equations of a
             multi-conductor circuit of a power line without losses.
             He assumes that a multi-conductor circuit may consist
             not only of conductors but also of protecting cables.
             Based on his calculations he arrived at the following
             conclusions: Wave processes in multi-conductor cir-
Card 1/3   cuits may be most simply explained by analysis using

SOV/143-58-11-4/16

Wave Processes in Multi-Conductor Circuits of Long-Distance Power Lines

the characteristics method. The transient process in the distributed system is divided into a number of processes which are interconnected to a total by direct and reflected waves. In difference from the B'yuley method, these waves are calculated by using the full current and voltage values, whereby the calculation is simplified, especially for multiple reflections. It is possible to investigate distributed systems with nonlinear elements in their units (choke coils, etc). The characteristic method was also used for investigating processes in a one-conductor system (n = 1) /Ref 4, 6, 8, 9/. In multi-conductor circuits, current waves may originate also in completely isolated conductors. The calculation of wave processes in parallel conductors of long lines must be performed under consideration of the influences of current and voltages of all conductors of the circuit. If each conductor of a circuit was considered separately and if it is

Card 2/3   assumed that the connection between them is performed

8(3), 8(5)   SOV/105-59-3-6/27
AUTHOR: Karayev, R. I., Candidate of Technical Sciences, Docent

TITLE: Transients in Artificial Circuit Network Lines of Power System
               Models (Perekhodnyye protsessy v iskusstvennykh tsepnykh
               liniyakh modeley elektricheskikh sistem)

PERIODICAL: Elektrichestvo, 1959, Nr 3, pp 28 - 32 (USSR)

ABSTRACT: Little effort has hitherto been made to investigate the
               transients in circuit networks of the models of electrical
               systems. Referring to the investigations reported in the
               papers cited by references 1,2, and 3, this problem is
               approached in this study by a method of generalized Lagrangian
               coordinates. The application of this method is described
               and the characteristics of circuit networks are compared to
               those of long lines. A three-phase fault is assumed to occur
               at one end of the line fed from both sides in the model of
               the electrical system. It is further assumed that the circuit
               network equivalent circuit of the line consists of T-type
               elements. By using the superposition principle the working
               procedure can be excluded, that means that the problem can be
Card 1/3   reduced to the case where the initial conditions are zero.

The transient is determined when a sinusoidal EMF is supplied
to the circuit, which incorporates the active resistance
R_1 and the inductivity L_1. R_1 and L_1 correspond to the
technical data of the supply system. The circuit charge
$Q(n,t)$, which at the moment t passes through the inductivity
of the n-th member of the circuit network is assumed to con-
stitute the calculated quantity. The characteristic equation
of the system relation (11) is derived, by which step the
first part of the problem appears to be solved. Lagrange's
(Lagranzh) equation is then used to find the generalized coordi-
nates $q_k(t)$ using the same procedure as was applied by the
author in references 5 and 6. An ordinary differential
equation for the generalized coordinate $q_k(t)$ is derived -
formula (17) A comparison of the characteristics of circuit
networks with those of a long transmission line shows the
following: the fundamental frequencies of both systems almost
entirely coincide. The curves describing the current variation
at the input of a circuit network with 10 members and at the
input of a long line coincide remarkably well even for

Card 2/3

Transients in Artificial Circuit Network Lines of Power   SOV/105-59-3-6/27
System Models

the most unfavorable case (when the phase shift of the
connected sinusoidal EMF equals $\pi/2$), with the exception
of the places, where the current varies jump-like. There
are 6 figures and 8 Soviet references.

SUBMITTED: September 6, 1958

Card 3/3

PEREKALIN, M.A., prof. [deceased]; KARAYEV, R.I., doktor tekhn.nauk

Study of induced currents in cylindrical aluminum coatings of three-phase current conductors. Izv. vys. ucheb. zav.; energ. 3 no.8:55-65 Ag '60.   (MIRA 13:9)

1. Moskovskiy ordena Lenina energetically institut. Predstavlena kafedroy elektricheskikh stantsiy.
          (Electric power plants--Equipment and supplies)
              (Electric currents, Eddy)

KARAYEV, R.I., doktor tekhn.nauk

Investigation of transients in a long line using the phase tra-
jectories of a nonlinear load. Elektrichestvo no.9:26-29 S
'61.   (MIRA 14:9)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta
imeni Stalina.
                    (Electric power distribution)

ANDREYEV, Georgiy Pavlovich; ANDREYEV, Sergey Nikolayevich;
BOGOLYUBOV, Valentin Yevgen'yevich; BURDAK, Nadezhda
Mironovna; ZHUKHOVITSKIY, Boris Yakovlevich; ZEVEKE,
Georgiy Vasil'yevich; KARAYEV, Ruben Iosifovich; LEVITAN
Semen Arkad'yevich; MUKHIN, Aleksandr Andreyevich;
NEGNEVITSKIY, Iosif Borisovich; PEREKALIN, Mikhail
Aleksandrovich; POLIVANOV, Konstantin Mikhaylovich, prof.,
doktor tekhn.nauk; FRIDKIN, L.M., tekhn. red.

[Problems of theoretical principles of electrical engineering;
theory of networks]Zadachnik po teoreticheskim osnovam elektro-
tekhnik; teoriia tsepei. [By]G.P.Andreev i dr. Moskva, Gos-
energoizdat, 1962. 159 p.   (MIRA 15:12)
    (Electric engineering)   (Electric networks)

KARAYEV, Ruben Iosifovich; LOMONOSOV, V.Yu., red.[deceased];
BUL'DYAYEV, N.A., tekhn.red.

[Transients in long-distance power transmission lines]
Perekhodnye protsessy v liniiakh bol'shoi protiazhen-
nosti. Moskva, Gosenergoizdat, 1963.   135 p.
                                                    (MIRA 16:10)
          (Transients (Electricity))
          (Electric power distribution)

TAMAZOV, Aleksandr Iosifovich; KARAYEV, A.I., retsenzent;
GOKHSHTEYN, B.Ya., kand. tekhn. nauk, red.

[Nonsymmetry of currents and voltages created by single-
phase traction loads] Nesimmetriia tokov i napriazhenii vyzy-
vaemaia odnofaznymi tiagovymi nagruzkami. Moskva, Transport,
1965. 232 p.   (MIRA 18:4)

IONKIN, Petr Afanas'yevich; KURDYUKOV, Nikolay Nikolayevich;
KUKHARKIN, Yevgeniy Stepanovich; KARAYEV, R.I., prof.,
retsenzent; BEREZINA, Ye.P., red.

[Standard examples and problems on the theoretical prin-
ciples of electrical engineering] Tipovye primery i za-
dachi po teoreticheskim osnovam elektrotekhniki. Mo-
skva, Vysshaia shkola, 1965. 319 p.   (MIRA 18:7)

KARAYEV, R.I., doktor tekhn.nauk, prof.

Calculations of electrical networks taking into account voltage inequalities. Elektrichestvo no.9:26-31 S '65.
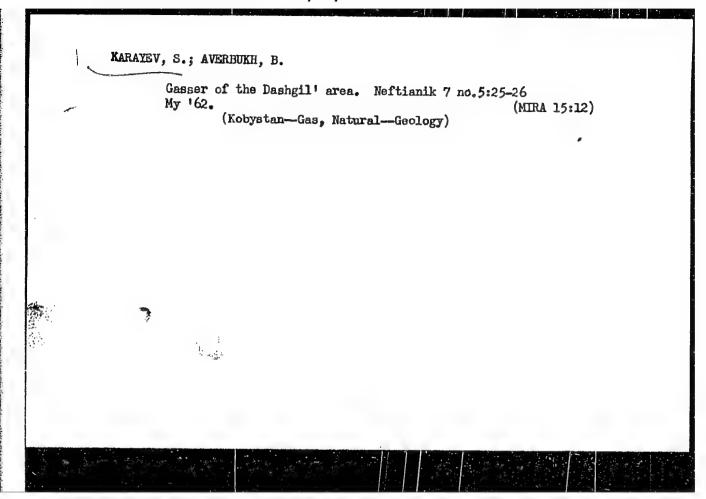
(MIRA 18:10)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta.

KARAYEV, R.I., doktor tekhn. nauk; SHENKMAN, L.Z., inzh.

Improvement of the quality of voltage received by consumers
from a.c. traction substations. Elektrichestvo no.12:12-18
D '64.   (MIRA 18:12)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta.

KARAYEV, S.

"Economic geography of the Uzbek S.S.R." by N.V.Smirnov,
N.G.TSapenko. Reviewed by S.Karaev. Geog.v shkole 22 no.4:
93-94 Jl-Ag '59.   (MIRA 12:11)

1. Redaktor Uchpedgiza UzSSR.
          (Uzbekistan--Economic conditions)
                 (Smirnov, N.V.)   (TSapenko, N.G.)

KARAYEV, S.; AVERBUKH, B.

Gasser of the Dashgil' area.   Neftianik 7 no.5:25-26
My '62.   (MIRA 15:12)
          (Kobystan—Gas, Natural—Geology)

KARAYEV, S. A.

KARAYEV, S. A. "The development of a Game Farm in the USSR." Moscow Veterinary
Academy, Min Higher Education USSR. Moscow, 1956
(For the Degree of Doctor in Agricultural Science)

So: Knizhnaya Letopis' No. 18, 1956

BADAR'YAN, G.G.; TYUTIN, V.A.; CHEREMUSHKIN, S.D.; ZUZIK, D.T.;
KHODASEVICH, B.G.; FRAYER, S.V.; GUSAROV, Ye.I.; KAZANSKIY,
A.M.; KASSIROV, L.N.; KARAYEV, S.A.; AHRAMOV, V.A.;
VASIL'YEV, N.V.; BUGAYEV, N.F.; SAPIL'NIKOV, N.G.; KASTORIN,
A.A.; RUDNIKOV, V.N.; YAKOVLEV, V.A.; PEREMYKIN, V.I.;
ISAYEV, A.P.; KUZ'MICHEV, N.N.; IL'IN, S.A.; PRONIN, V.A.;
LUK'YANOV, A.D.; SHAKHOV, Ya.K.; IL'ICHEV, A.K., kand. sel'-
khoz. nauk; KOGAN, A.Ya.; TSYNKOV, M.Yu.; BABIY, L.T.;
GORBUNOV, I.I.; KOVALEV, A.M.; ROMANCHENKO, G.R.; BRODSKAYA,
M.L., red.; IVANOVA, A.N., red.; GUREVICH, M.M., tekhn. red.;
TRUKHINA, O.N., tekhn. red.

[Economics of agriculture]Ekonomika sotsialisticheskogo sel'-
skogo khoziaistva; kurs lektsii. Moskva, Sel'khozizdat, 1962.
710 p.   (MIRA 15:10)
        (Agriculture—Economic aspects)

L 08792-67   EWT(m)/EWP(j)   IJP(c)   WW/RM
ACC NR: AP6030842   (A, N)   SOURCE CODE: UR/0191/66/000/009/0006/0008

AUTHOR: Buniyat-Zade, A. A.; Karayev, S. F.; Portyanskiy, A. Ye.; Sadykhov, R. B.

ORG: none

TITLE: Investigation of the new graft copolymers made of acrylonitrile and ethylene-propylene copolymer

SOURCE: Plasticheskiye massy, no. 9, 1966, 6-8

TOPIC TAGS: copolymer, acrylic plastic, polyethylene, synthetic material, polyacrylonitrile

ABSTRACT: The structure and thermal properties of the copolymers were investigated by IR, X ray and thermographic techniques. The IR study showed that the grafting of acrylonitrile occurs via the opening of the C=C bonds of the ethylene-propylene copolymer. It was found that the melting point of the grafted copolymer with acrylonitrile was 9°C above the melting point of a mechanical mixture of acrylonitrile with ethylene-propylene copolymer and the melting point of the ethylene-propylene copolymer alone. The thermographic curve of the grafted copolymer was found to have one maximum at 129°C; this corresponds to the actual melting point of the copolymer. There was another maximum at 226°C which corresponds to the internal cross-linking within polyacrylonitrile. The mechanical mixture of acrylonitrile with ethylene-propylene copolymer

Card 1/2   UDC: 678.742.2-134.23-134.622.011:543.422.4:539.26

L 08792-67

ACC NR: AP6030842   O

Subjected to x ray examination showed a maximum at 16°47' which corresponds to the maximum at the x ray diffraction pattern of the acrylonitrile homopolymer. No such maximum was found in the case of the grafted copolymer of acrylonitrile with ethylene-propylene copolymer. Orig. art. has: 3 figures.

SUB CODE: 11/ SUBM DATE: 00/ ORIG REF: 003/ OTH REF: 003

Card 2/2 net

KARAYEV, S.K.; KYAZIMOV, Ya.R., red.; RASHEVSKAYA, T.A., red. izd-va;
TOROSYAN, R., tekhn. red.

[Improving equipment for drilling deep exploratory wells]So-
vershenstvovanie tekhnologii bureniia glubokikh razvedochnykh
skvazhin. Baku, Azerbaidzhenskoe gos. izd-vo, 1961. 131 p.
(MIRA 15:12)

(Azerbaijan—Boring)

KARAYEV, Z. SH.

"Study of Corrosion of Cement-Coated Steel in Sea Conditions." Min. Higher Education
USSR, Azerbaydzhan State U imeni S. M. Kirov, Baku, 1955. (Dissertation for the
Degree of Candidate of Chemical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

S/081/61/000/022/040/076
B110/B101

AUTHORS: Efendiyev, G. Kh., Karayev, Z. Sh.

TITLE: Extraction of selenium from slimes by the sulfide method

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 281, abstract
             22K48 (Azerb. khim. zh., no. 5, 1960, 99-106)

TEXT: The authors give results of Se extraction from slimes of a sulfuric
acid plant operating by the contact process. The slime contains a small
amount of $PbSO_4$. The method of Se extraction from slimes by sodium

sulfide is based on formation of an unstable compound of the type Na_2SSe

between Se and sodium sulfide; this compound decomposes readily with
separation of elementary Se. Under established conditions, the degree of
extraction is 98-99% of the Se content in the slime. The authors discuss
the chemism of Se separation from the selenium sulfide complex in Na_2S
solution. [Abstracter's note: Complete translation.]

Card 1/1

AUTHORS: Karayev, Z. Sh., Efendiyev, G. Kh.

TITLE: Extracting selenium with ammonium sulfide from slimes as a means
of obtaining pure selenium

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 19, abstract 5G115
("Azerb. khim. zh.", 1961, no. 5, 119 - 123, Azerb. summary)

TEXT: A batch of crushed and dried slime was placed in the reactor. A
corresponding volume of a $(HN_4)_2S$ solution was added. Reaction $(NH_4)_2S + xSe =$
$(NH_4)_2SSe_x$ proceeds at room temperature. Slime processing with $(NH_4)_2S$ solution
was conducted in a hermetically sealed unit. The Se suspension was mixed in the
$(NH_4)_2S$-solution for 2 - 4 minutes by passing N_2 through the solution upwards at
a rate of 20 1/hour. After completed processing of the slime, the solution was
filtered off from the solid residue. At a 30% Se content in the slime, the Se
maximum yield (96 - 98%) is attained at a molecular ratio Se : $(NH_4)_2S = 1 : 6$.
Separation of Se out of the solution was performed by various means: with the
aid of thermal decomposition of $(NH_4)_2SSe$, decomposition by air; and separation-

Card 1/2

Extracting selenium with...

S/137/62/000/005/034/150
A006/A101

out of Se by holding the solution in open air. The purity of Se obtained is on the average about 99.00%.

G. Svodtsova

[Abstracter's note: Complete translation]

Card 2/2

KARAYEV, Z.Sh.; GASANOV, B.G.

Gypsum formation in the sprinkler condenser of a sulfuric acid
factory. Izv. AN Azerb. SSR Ser. geol.-geog. nauk i nefti no.2:
131-134 '62.

(Gypsum)

(MIRA 15:6)

EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.

Oxogallates of the elements of the cerium subgroup. Azerb.khim.zhur.
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(Cerium compounds) (Gallium oxides)